

# Aero Design Ltd.

## Work Order Control Sheet

Work Order#: 2017-81 Date Opened: 04 May 2017 Title: Fabrication

Aircraft OEM: Bell Aircraft Model: 206L/407 Product Type: Cabin Step Product Model: N/A Quantity: 8

### Work Order Contents

Work Order/Build Sheets (Procedures Provided)  
Additional Work Sheets (Standard Practice)  
Drawings (See List Below)  
Parts Distribution Sheet  
Sub Component Tags  
Completed Certification  
Time Sheet (R&D)  
Notes

Initial or N/A

JC
N/A
JC
JC
N/A
JC
N/A
N/A

### Build Sheet Contents

Tasks Initialled  
Dual Inspections Initialled

Initial or N/A

JC
JC

### Drawing List

Drawing #	Rev #	Description	Initial or N/A
80010	2	Step Assembly	JC
80020	1	End Fabrication	JC

### Traveller

Initial or N/A


Work performed by:

Print: J. Clarke

ICC / Dual Inspection performed by:

Print: J. Rekve

Work Order closed by:

Print: J. Clarke

Approved Manufacturing Facility 73-04

Sign:

Sign:

Sign:

Form 20.D.03

### Component Completion

Quantity Complete on This Work Order  
Quantity Incomplete on This Work Order  
Further Processing Required Before Release  
Release to Stock as Components

As Instructed

JC 8
79C0
N/A
N/A

### Certification

Form One Completed  
Serviceable (Green) Tag Completed  
In Process (Yellow) Tag Completed  
Unserviceable (Red) Tag Completed  
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
JC
N/A JC
JC

### Additional Documentation

Documentation of a minor change  
Non-Conformance Report Required  
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

### Billing

Local (Aero Design)  
Research and Development  
Third Party

Initial or N/A

JC
N/A
N/A

SCA: AD02

SCA: AD01

SCA: AD02

Date: 30-May-17

Date: 30-May-17

Date: 17 Aug 17, 12 JUNE 2018

Rev. Original 23 Sep 2014



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: STEP END (LH) No. of pieces: 8

Manufacturer: AERO DESIGN LTD.

Part No.: 50020-01 Serial/Batch No.: P > 15030

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 201781

Remaining Tasks to be Performed: WELD TO STEP EXTR. ✓

INSTALL HELICOLL ✓

Signature: JH COL

Date: 17 MAY 2017 Lic. No. / SCA A002

In Process



## Aero Design Ltd.

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AMF 73-04

In Process

### Remarks

-1 ASSEMBLED 15 MAY 2017



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AMF 73-04

Nomenclature: STEP END LH / RH <sup>-01</sup> <sup>-02</sup> (QTY 2) (QTY 2)

Manufacturer: AERO DESIGN LTD.

Part No.: 80020-01 / -02 Serial / Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Removed From: N/A

Reason For Removal: INCORRECT INSERTS ON CUTTER

A/C Hours at Removal: N/A WO.# 2017-51

Signature: [Signature]

Date: 09 MAY 2017 Lic. No. / SCA AD002

Unserviceable



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AMF 73-04

Unserviceable

### Remarks

Destroyed 12 May 2017 A002



# 'CABIN STEP FABRICATION

Work Order: 2017-81

Batch Quantity: 10

-2, ends cut w/ wrong inserts

Date Open: 04 MAY 2017

## General

These instructions apply to Step Assemblies for various models of helicopter listed below. Refer to the following drawings, at the current revision, for dimensions and details:

✓	Make/Model	Step		
		Ass'y	End 1	End 2
	<i>Bell</i>			
✓	206L/407/205/212 Cabin Step	80010	80020	
	206B Cabin Step	87810	87820	87821
	429 – Fixed Cabin Step	96910	96920	
	429 – Quick Release Cabin Step	96911	96921	
	<i>Airbus Helicopters</i>			
	AS350/AS355 Quick Release Maintenance Step	82716	82722	
	AS350/AS355 Extended Quick Release Maintenance Step	82711	82720	82720
	<i>MD600</i>			
	Cabin Step	82910	80021	

**Complete**  
(initial or SCA #)

## 1. End Bracket Stock Preparation

### a. Cut 6061-T6 aluminum material for end brackets:

	Model	P/N	Stock Bar	Qty per bar
i.	206L/407/205/212	80020-01/-02:	3.5 x 1 @ 16.75 long	(2 left / 2 right)
ii.	MD600	80021-01/-02:	3.5 x 1 @ 16.75 long	(2 left / 2 right)
iii.	AS350	82720-01/-02:	3.5 x 1 @ 17.0 long	(2 left / 2 right)
iv.	AS350	82720-03:	3.5 x 1 @ 17.0 long	(4 parts)
v.	AS350	82722-01/-02:	4 x 1 @ 18.75 long	(2 left / 2 right)
vi.	206B	87820/21-01	4.5 x 1 @ 15.5 long	(2 left / 2 right)
vii.	429	96920-01/-02:	4 x 1 @ 15.5 long	(1 left / 1 right)
viii.	429	96921-01/-02:	6 x 1 @ 23.0 long	(2 left / 2 right)

### b. Record material PO.

### c. De-burr cut ends using buffing wheel on bench grinder.

### d. Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining.

## 2. CNC Machining

### a. Load long vise jaws on vises. Max 0.15 depth of ledge on jaw.

### b. Run CNC program to machine holes in edges of stock, and to machine parts from stock.

### c. Update tag and place parts on in-progress shelf in welding shop for welding.



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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: STEP END (RH) No. of pieces: 8

Manufacturer: AERO DESIGN LTD.

Part No.: 80020-01 Serial/Batch No.: P0 15030

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-81

Remaining Tasks to be Performed: WELD TO STEP EXTR. ✓

INSTALL HELI COIL ✓

Signature: Jff C.C.

Date: 17 MAY 2017 Lic. No. / SCA A002

In Process



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AMF 73-04

**In Process**

### Remarks

-1 ASSEMBLED 15 MM 2017



## 3. Deburring

- a. Deburr all outside edges of brackets using buffing wheel on bench grinder.
- b. Update tag and place parts on in-progress shelf in machine shop for insertion of helicoils.

## 4. Helicoil Installation

- a. Install 3/8-24 helicoil into end brackets with Loctite 243.
- b. Record helicoil PO.
- c. Update tag and place parts on in-progress shelf in welding shop for welding.

## 5. Step Stock Preparation

- a. Cut step extrusion as indicated.

NOTE: 78230 is the "old" rectangular shape with a flange; 78240 is the "new" triangular shape.

- |              |               |                              |
|--------------|---------------|------------------------------|
| i. 205/212   | 80010-7100:   | Extrusion 78230 @ 70.25 long |
| ii. 206L/407 | 80010-7475:   | Extrusion 78230 @ 74.00 long |
| iii. AS350   | 82711-01-XX:  | Extrusion 78230 @ 75.25 long |
| iv. AS350    | 82716-01:     | Extrusion 78240 @ 55.50 long |
| v. MD600     | 82910-01:     | Extrusion 78230 @ 46.00 long |
| vi. 206B     | 82710-01:     | Extrusion 78230 @ 80.50 long |
| vii. 429     | 96920-01/-02: | Extrusion 78240 @ 74.00 long |
| viii. 429    | 96921-01/-02: | Extrusion 78240 @ 74.00 long |
- b. Record material PO.
  - c. 82711-01-XX only: Trim forward end down to flange in accordance with drawing using radial arm saw.
  - d. 82711-01-XX, 82910-01, 87810-01 only: Cut end cap(s) from 0.125 6061-T6 Sheet.  
Record material PO
  - e. Drill vent holes as indicated.
  - f. Deburr cut edges and vent holes.
  - g. Tag in-progress parts and place on in-progress shelf in welding shop for welding.

## 6. Welding

- a. Insert end bracket into ends or onto extrusion (as applicable). Use jig to set spacing of brackets.
- b. Weld around step extrusion using ER4043 rod.
- c. Record welding rod PO.
- d. Yellow tag step assemblies and place in-progress shelf in machine shop for clean up.

## 7. Clean up

- a. Clean up all welds using maroon scotch brite pad.
- b. Update tag and place parts on in-progress shelf in machine shop for inspection.

## 8. Inspection

To be completed by a different person than the previous steps.

- a. Inspect Step Assemblies for conformity to drawings.
- b. Update tag and place parts on in-progress shelf in machine shop for surface finish.

## 9. Surface Finish

Parts may be painted or powder coated in accordance with the drawings.

- a. Paint in accordance with standard procedures.
- b. Powder coating is performed by an outside contractor. Record PO.
- c. Wingwalk grip paint is applied to the top surface of assemblies with the "old" extrusion. Grip paint is only applied to top surface with ridges, mask areas that are not to be coated.
- d. Update tag and place parts in stores for final assembly.

## 10. Final Assembly

Note: not all steps may apply to all assemblies.

- a. Install 96710-01 Fitting into end brackets with two NAS1149F0663P Washers, 4 places.
- b. Adhere 3M Safety Walk 1" wide grip tape to top surface of steps in grooves provided.
- c. Record hardware and grip tape PO #s on PDS sheet for each assembly. Keep PDS sheet with completed assemblies before release.
- d. Assembled parts may be green tagged if not released immediately.

## 11. Final Inspection

To be completed by individual completing Form One. Sign off on Form One constitutes completion of this step.

- a. Inspect Step Assembly.
- b. Attach PDS sheet to Form One on release.

# TASK TAG



Aero Design Ltd.

AMF 73-04

9888A Malaspina Road  
Powell River, BC, V8A 0G3  
Phone: 604-483-2376  
Fax: 604-483-2372  
Email: info@aerodesign.ca

Work Order: 2017-30 <sup>2017-81 JC.</sup>

☐ Copy #: \_\_\_\_\_  
Copies to be used for completed parts or assemblies

Nomenclature: CABIN STEP (Bell 206L/407) Total Quantity: 10

Part No.: 80010-7475 Serial No.: NSN Batch/PO No.: SEE PDS

Manufacturer: ☒ Aero Design Ltd. ☐

Created by: JEFF CLARKE Date: 5/11/2017 SCA: ADDA

Closed by: Jff Cch. Date: 12/06/18 SCA: ADSL

Task Sheet: CABIN STEP FABRICATION Work Order: 2017-30 <sup>2017-81 JC.</sup>

Task #	SCA	SCA	SCA	SCA
1.	Qty: <u>5 bars</u> Date: <u>04 MAY 2017</u> AD 73-04 02	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
2.	Qty: <u>8 LH / 8 RH</u> Date: <u>09 MAY 2017</u> AD 73-04 02	Qty: <u>2 LH / 2 RH Scrap</u> Date: <u>09 MAY 2017</u>	Qty: _____ Date: _____	Qty: _____ Date: _____
3.	Qty: <u>8 LH / 8 RH</u> Date: <u>10 May 2017</u> AD 73-04 02	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
4.	Qty: <u>8 LH / 8 RH</u> Date: <u>10 May 2017</u> AD 73-04 02	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
5.	Qty: <u>8</u> Date: <u>12 May 2017</u> AD 73-04 02	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
6.	Qty: <u>1</u> Date: <u>May 15/2017</u> AD 73-04 05	Qty: <u>7</u> Date: <u>May 29/2017</u> AD 73-04 05	Qty: _____ Date: _____	Qty: _____ Date: _____
7.	Qty: <u>1</u> Date: <u>15 May 2017</u> AD 73-04 02	Qty: <u>7</u> Date: <u>30 May 2017</u> AD 73-04 02	Qty: _____ Date: _____	Qty: _____ Date: _____
8.	Qty: <u>1</u> Date: <u>15 May 2017</u> AD 73-04 02	Qty: <u>7</u> Date: <u>30 May 2017</u> AD 73-04 02	Qty: _____ Date: _____	Qty: _____ Date: _____
9.	Qty: <u>1</u> Date: <u>09 JUNE 2017</u> AD 73-04 02	Qty: <u>7</u> Date: <u>09 JUNE 2017</u> AD 73-04 02	Qty: _____ Date: _____	Qty: _____ Date: _____
10.	Qty: <u>1</u> Date: <u>09 JUNE 2017</u> AD 73-04 02	Qty: <u>1</u> Date: <u>17 JUN 2017</u> AD 73-04 02	Qty: <u>6</u> Date: <u>05 JUNE 2017</u> AD 73-04 02	Qty: _____ Date: _____

Note: Qty may be left blank if all parts are covered by one stamp.

Remainder JC.

Continued on back ☐

Remarks:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Task #	SCA	SCA	SCA	SCA
11.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
12.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
13.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
14.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
15.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
16.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
17.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
18.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
19.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____
20.	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____	Qty: _____ Date: _____

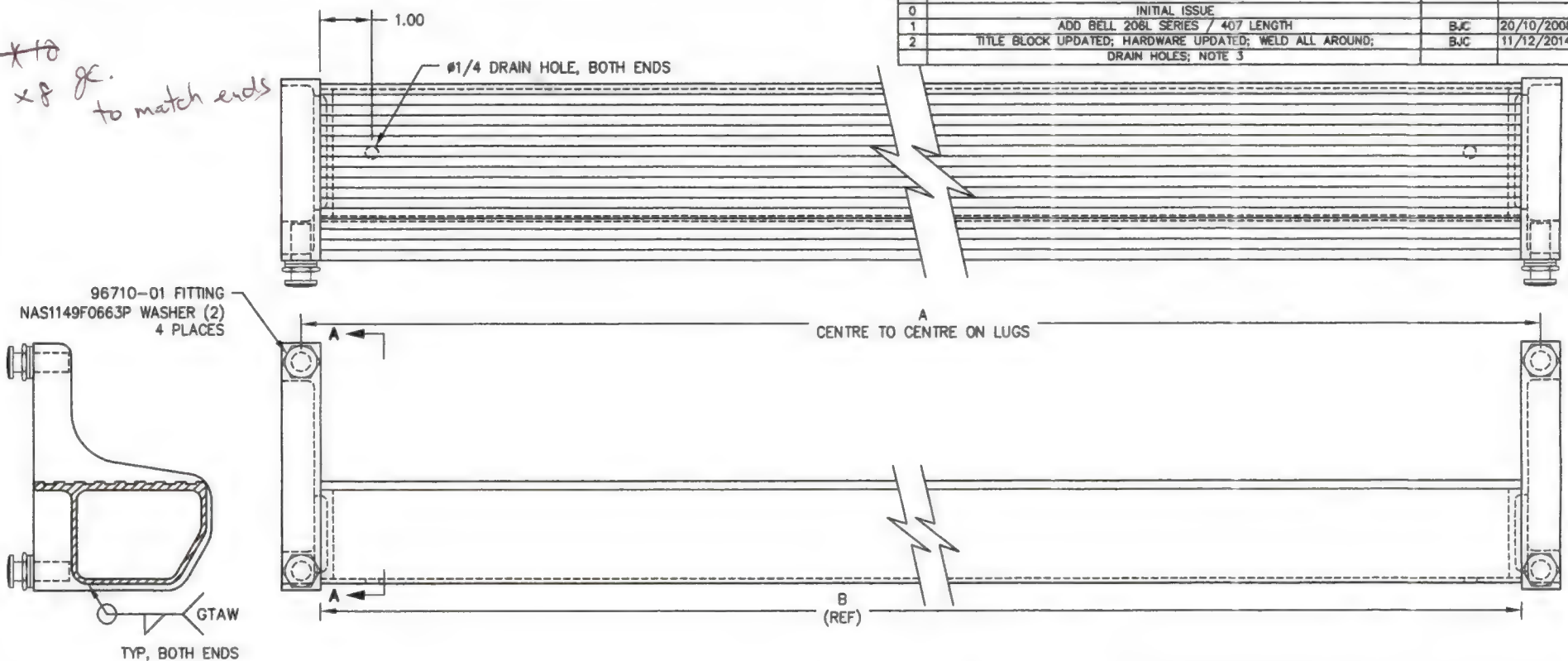


[illegible]



2017-81

\*10  
x 8 g.  
to match ends



REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	ADD BELL 206L SERIES / 407 LENGTH	BJC	20/10/2008
2	TITLE BLOCK UPDATED; HARDWARE UPDATED; WELD ALL AROUND; DRAIN HOLES; NOTE 3	BJC	11/12/2014

## NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF 6061 ALUMINUM TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO ANSI/AWS ER4043.
3. STEP TO BE THOROUGHLY DEGREASED AND POWDER COATED AFTER WELDING. ALTERNATE: STEP TO BE THOROUGHLY DEGREASED, ALODINED, EPOXY PRIMED AND POLYURETHANE PAINTED AFTER WELDING. TREAD AREA IS TO BE PAINTED WITH RANDOLPH X1567 WINGWALK GRIP PAINT OR EQUIVALENT AFTER FINISHING.
4. LENGTHS A AND B AND PART NUMBER AS FOLLOWS:

MODEL:	PART NUMBER	A	B
BELL 205/212/214/412	80010-7100	71.00	70.25
BELL 206L SERIES/407	80010-7475	74.75	74.00

8	NAS1149F0663P	WASHER	
4	96710-01	FITTING	ATL: ANCRA 40088-14
1	80020-02	04 STEP END (RIGHT)	
1	80020-01	03 STEP END (LEFT)	
A/R	78230	02 STEP EXTRUSION	
	80010-XXXX	01 STEP ASSEMBLY (XXXX DENOTES LENGTH, SEE NOTE 4)	
01	PART NO.	ITEM	DESCRIPTION MATERIAL
QTY	LIST OF MATERIALS		

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APPROVALS	DATE
DRAWN: JEFF CLARKE	10 JULY 2008
CHECKED: E. BURGON	15 SEPT 2008

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ON:  
DECIMALS ANGLES  
X.XXX ±0.010 ±1/2°  
X.XX ±0.03  
X.X ±0.1



AERO DESIGN LTD.

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POWELL RIVER, BC, CANADA, V8A 0G3  
TEL: 604.489.2876 www.aerodesign.ca

QUICK RELEASE STEP  
STEP ASSEMBLY

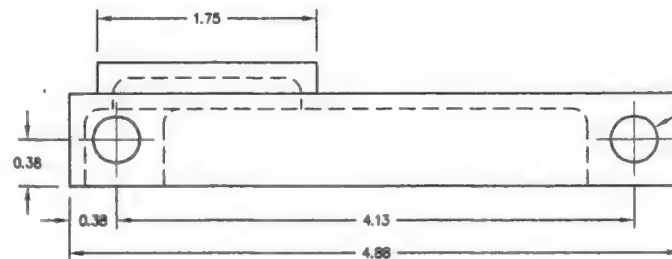
SCALE 1 : 2	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	80010	2

2017-81

X10 R -2

X10 L -2

wrong cotter  
inserts

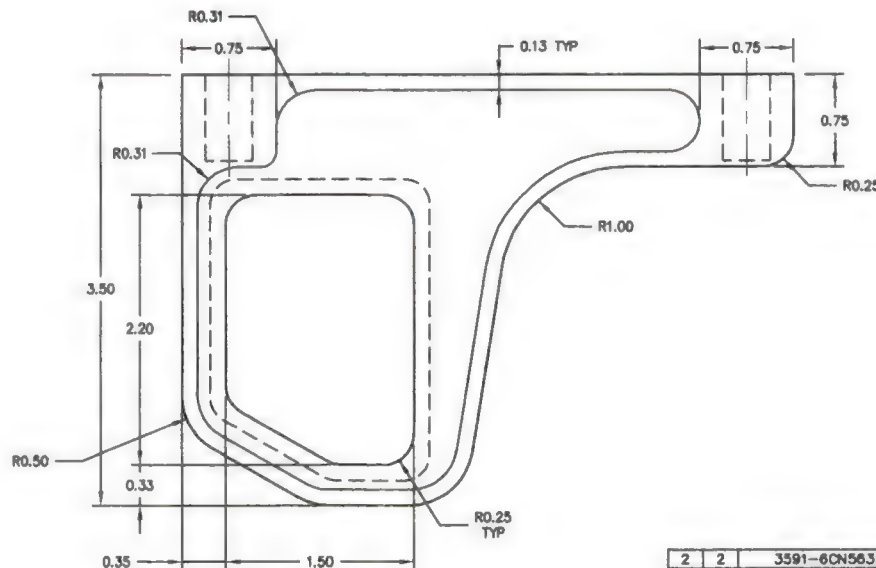
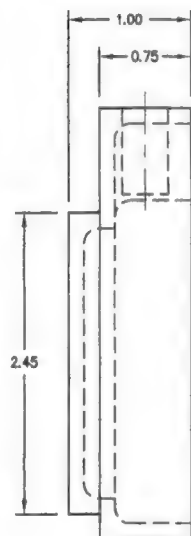


TAP DRILL 25/64 (0.391) X 0.70 DEEP  
TAP FOR 3/8-24 HELICOIL  
INSTALL 3591-6CN563 HELICOIL  
2 PLACES

#### NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. PART IS TO BE CNC MACHINED USING DRAWING AS A TEMPLATE.

3.5 x 1 @ 16.75 x 5



(01) STEP END (LEFT)  
(02) STEP END (RIGHT)

LEFT (01) SHOWN, RIGHT (02) OPPOSITE

QTY	QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
2	2	3591-6CN563	03	SELF LOCKING HELICOIL			
		80020-02	02	STEP END (RIGHT)	6061-T6 ALUMINUM	QQ-A-200/8	3.5 X 1 BAR
		80020-01	01	STEP END (LEFT)	6061-T6 ALUMINUM	QQ-A-200/8	3.5 X 1 BAR

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APPROVALS
DATE

DRAWN: JEFF CLARKE
10 JULY 2008

CHECKED: E. BURGAIN
15 JULY 2008

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ON:  

DECIMALS

ANGLES

X.XXX ±0.010 ±1/2°

X.XX ±0.03

X.X ±0.1

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TEL: 604.488.8876
www.aerodesign.ca

QUICK RELEASE STEP  
STEP END FABRICATION

SCALE 1 : 1

SHEET 1 OF 1

DWG. SIZE
DWG. NO.
REV.

A3
80020
1

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0224</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-81</b>
6. Item <b>1.</b>	7. Description <b>Cabin Step</b>	8. Part Number <b>80010-7475</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>NSN</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>09 June 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

*HILLCREST AIRCRAFT*

[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0324</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-81</b>
6. Item <b>1.</b>	7. Description <b>Cabin Step</b>	8. Part Number <b>80010-7475</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>NSN</b>	11. Status/Work <b>New</b>
12. Remarks <b>Black</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature <i>Jeff Clarke</i> <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature 14c. Approved Organization Number</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>17 Aug 2017</b>		<del>14d. Name 14e. Date (dd/mm/yyyy)</del>	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

CARRIER LUMBER





# Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: CABIN STEP (206L/407) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80010-7475 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-81

Remaining Tasks to be Performed: INSTALL LUGS ✓

Signature: J/C.L.

Date: 09 JUNE 2017 Lic. No. / SCA A002

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

### Remarks

PAINTED BLACK 16 AUG 2017 dk

WINGS INSTALLED 17 AUG 2017 JC

INSPECTED 17 AUG 2017 CJK



WO# \_\_\_\_\_

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: CABIN STEP (26L/407) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80010-7475 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-81

Remaining Tasks to be Performed: INSTALL WGS

Signature: JH/CLH.

Date: 09 JUNE 2017 Lic. No. / SCA AD002

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

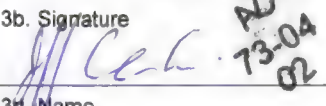
AMF 73-04

In Process

### Remarks

PAINTED BLACK 22 FEB 2018 JC  
LUGS INSTALLED 05 MAR 2018 JC  
4x96710-01 LUG 17062  
8xNAS1149F0663P WASHER 17070



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No. <b>2018-0039</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2017-81</b>
6. Item <b>1.</b>	7. Description <b>Cabin Step</b>	8. Part Number <b>80010-7475</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>NSN</b>	11. Status/Work <b>New</b>
12. Remarks <b>Black</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		<del>14b. Signature</del>	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>05 Mar 2018</b>		<del>14c. Approved Organization Number</del>	
				<del>14d. Name</del>	
				<del>14e. Date (dd/mmm/yyyy)</del>	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

**AIR SHASTA**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: CABIN STEP (206 L/40?) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80010-7475 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-81

Remaining Tasks to be Performed: INSTALL LUGS ✓

Signature: JH/CEL

Date: 09 JUNE 2017 Lic. No. / SCA A002

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3


Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

### Remarks

LUGS INSTALLED 26 MAR 2018 JC.  
4x 96710-C1 LUG - 17062  
8x NAS1149 FOLLUP WASHER - 17070

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0055</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>180213-12HX</b>
6. Item <b>1.</b>	7. Description <b>Cabin Step</b>	8. Part Number <b>80010-7475</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-81</b>	11. Status/Work <b>New</b>
12. Remarks <b>Certification data: TCCA STC SH00-48, FAA STC SR02253NY</b>					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <del>Canadian Aviation Regulations</del> .		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature 14c. Approved Organization Number	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mm/yyyy) <b>26 Mar 2018</b>		14d. Name 14e. Date (dd/mm/yyyy)	
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.  Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.  Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

HELICOPTER EXPRESS



# Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: CABIN STEP (206L/401) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80010-7475 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-81

Remaining Tasks to be Performed: INSTALL LUGS

Signature: JH/CL

Date: 09 JUNE 2017 Lic. No. / SCA AD002

In Process





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Lugs installed  Remarks 04/03/18 JC

X4 96710-01 Fitting  
X8 NAS1149F0663P washer

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2018-0063</b>		
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>180314-14HX</b>		
6. Item <b>1.</b>	7. Description <b>Cabin Step</b>	8. Part Number <b>80010-7475</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>WO 2017-81</b>	11. Status/Work <b>New</b>		
12. Remarks <b>Certification data: TCCA STC SH00-48, FAA STC SR02253NY</b>							
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <del>Canadian Aviation Regulations</del> .				
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>03 Apr 2018</b>		14d. Name		14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>							

**HELICOPTER EXPRESS**



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: CABIN STEP (206L/407) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80010-7475 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 217-51

Remaining Tasks to be Performed: INSTALL LUGS

Signature: [Signature]

Date: 09 JUNE 2017 Lic. No. / SCA AD02

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks

Lugs installed


04/03/18

X4 96710-01

Fitting

X8 NAS 1149F0663P

Washer

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0066	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice 180323-41HX	
6. Item 1.	7. Description Cabin Step	8. Part Number 80010-7475	9. Qty. 1	10. Serial/Batch No. WO 2017-81	11. Status/Work New	
12. Remarks Certification data: TCCA STC SH00-48, FAA STC SR02253NY						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature  AD 13-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 03 Apr 2018		14d. Name		14e. Date (dd/mm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: CARIN STEP (206L/401) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80010-7475 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-81

Remaining Tasks to be Performed: INSTALL LUGS

Signature: [Signature]

Date: 09 JUNE 2017 Lic. No. / SCA A002

In Process





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

### Remarks

LUGS INSTALLED 13 APR 2018 JC

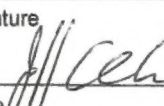
4x 96710-01 LUG PO 17062

8x NAS1149F0663 P WASHER PO 16042

In Process

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0072
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice 180323-27HX
6. Item 1.	7. Description Cabin Step	8. Part Number 80010-7475	9. Qty. 1	10. Serial/Batch No. WO 2017-81	11. Status/Work New
12. Remarks Certification data: TCCA STC SH00-48, FAA STC SR02253NY					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>		
13b. Signature <i>Jeff Clarke</i> AD 73-04 02		13c. Approved Organization Number AMF 73-04		<del>14b. Signature 14c. Approved Organization Number</del>	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 16 Apr 2018		<del>14d. Name 14e. Date (dd/mm/yyyy)</del>	
<b>Installer Responsibilities</b> This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

HELICOPTER EXPRESS

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0135		
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice None		
6. Item 1.	7. Description Cabin Step	8. Part Number 80010-7475	9. Qty. 1	10. Serial/Batch No. WO 2017-81	11. Status/Work New		
12. Remarks Certification data: TCCA STC SH00-48							
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			<del>14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12          Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.</del>				
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 05 June 2018		14d. Name		14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>							

WHITE SADDLE



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: CABIN STEP (206L/407) No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 80010-7475 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-81

Remaining Tasks to be Performed: INSTALL LUGS ✓

Signature: J/Che-

Date: 09 JUNE 2017 Lic. No. / SCA AD 02

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

### Remarks

LUGS INSTALLED 05 JUNE 18 JK  
4K96710-01 LUG PO 17062  
8x NAS1149F0663P WASHER PO 17070





WO# \_\_\_\_\_

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013